a first display engine responsive to first graphics data for generating first video window timing data,

a second display engine responsive to second graphics data for generating second video window timing data,

a first video overlay generator operatively responsive to first graphics data;

a second video overlay generator operatively responsive to the second graphics data; and

a programmable switch, operatively coupled to the video scaler and to said first video overlay generator and said second video overlay generator, to programmably switch video data from the video scaler to one of: said first video overlay generator and said second video overlay generator in order to enable the selective display of video data from said video scaler and overlay data on one of: a first display device and a second display device, wherein each of the video overlay generators outputs overlay information for a corresponding display device and wherein the programmable switching mechanism includes a selectable video clock source operatively coupled to the video scaler wherein the video scaler scales input video corresponding to a display engine for at least one of the plurality of video overlay generators in response to a video clock signal output from the selectable video clock source.

Please rewrite claim 15 as follows:

15. (Twice Amended) A video overlay method comprising the steps of:

scaling input video through a common video scaler for delivery to one of a plurality of video overlay generators, each of said video overlay generators having an output for coupling video and video overly data into a corresponding display device; and

selectively switching video data from the common video scaler to one of the plurality of video overlay generators to facilitate selective display of overlay data and video on a display device coupled to an output of a video overlay generator such that each of the video overlay generators outputs overlay information to a corresponding display device.